

Amendments to the Specification:

Please replace the paragraph beginning on page 7, line 3, with the following amended paragraph:

-- In the embodiment according to Figure 1, the remainders and waste material 14, together with oxidants 15 containing free oxygen and possibly with steam 16 as a temperature moderating agent, is supplied to the entrained flow reactor 1 where the reaction to form crude gas containing carbon monoxide, hydrogen and halogen hydrogen is performed. The remainders and waste material can be supplied as a mixture of different components or as a multiple component flow in separate lines. By supplying an additional combustible 20, it is ensured that the heat value of the remainders and waste material gasification materials, plus added combustibles, is greater than 6 MJ/kg to ensure complete conversion of the halogen-containing components to halogen hydrogens. The crude gas leaving the entrained flow reactor 1 at a temperature of at least 1100°C is cooled in the quenching cooler 2 by injecting fresh water 19 and water 13 that is guided in circulation and already enriched with soluble gas components. The crude gas and fresh water 19 and water 13 leaving the quenching cooler 2 are collected in a collecting vessel 3. The water 13 that is already enriched can be taken off as valuable material in the form of halogen hydrogen acid 10 or some of the water 12 from the collecting vessel 3 can be delivered to the absorber 4 for further absorption of soluble components. In order to remove halogen hydrogen traces as well, the crude gas arrives in the fine cleaning stage 5 where fresh water 19 is applied to it. The discharge 11 from the fine cleaning stage 5 is guided to the absorber 4. The crude gas 7' from which halogen hydrogens have been removed is cooled indirectly in the cooler 6 and is available for further utilize as a pure gas 8 high in carbon

monoxide and hydrogen. The condensate 9 running off in the cooler 6 can be returned to the cooling and washing process together with the fresh water 19. --